

Set	Items	Description
S1	12	AU=(LANGSETH, J? OR LANGSETH J? OR JUSTIN(2N)LANGSETH) OR - BY=(JUSTIN(2N)LANGSETH)
S2	5	AU=(OROLIN, N? OR OROLIN N? OR NICOLAS(2N)OROLIN) OR BY=(N- ICOLAS(2N)OROLIN)
S3	65	AU=(TALWAR, A? OR TALWAR A? OR AJAY(2N)TALWAR) OR BY=(AJAY- (2N)TALWAR)
S4	84	AU=(FISHMAN, P? OR FISHMAN P? OR PHILLIPPA(2N)J. FISHMAN) - OR BY=(PHILLIPPA(2N)J. FISHMAN)
S5	0	S1 AND S2 AND S3 AND S4
S6	4	S1 AND S3 AND S4
S7	153	S1 OR S2 OR S3 OR S4
S8	149	S7 NOT S6
S9	4	S8 AND IC=(G06F? OR H04L?)

File 350:Derwent WPIX 1963-2006/UD=200659  
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File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
(c) 2006 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200637  
(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060914UT=20060907  
(c) 2006 WIPO/Thomson

9/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0015428757 - Drawing available

WPI ACC NO: 2005-777043/200579

Related WPI Acc No: 2001-578960; 2003-656638; 2003-719893; 2003-831956;  
2003-875846; 2004-050582; 2004-578776; 2004-591161; 2004-660513;  
2004-717290; 2005-055708; 2005-088220; 2005-193562; 2005-230983;  
2005-293138; 2005-329676; 2005-504442; 2005-616952; 2005-627953;  
2005-675481; 2005-701762; 2005-712564; 2006-237844; 2001-181345;  
2001-315249; 2001-520299; 2001-637770; 2003-624991; 2004-223952;  
2004-429717; 2006-566599

XPX Acc No: N2005-641690

**Individual's personalized information providing method for use in on-line analytical processing system, involves broadcasting composite signal to radio receivers of multiple individuals**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: EBERLE H; **LANGSETH J**; MAASS B; PATNAIK A; ZIRNGIBL M

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6964012	B1	20051108	US 1999153222	P	19990913	200579 B
			US 1999454600	A	19991207	

Priority Applications (no., kind, date): US 1999153222 P 19990913; US 1999454600 A 19991207

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6964012	B1	EN	39	10	Related to Provisional US 1999153222

#### Alerting Abstract US B1

NOVELTY - The method involves accessing personalized information for multiple individuals. Personalized markup documents are generated for each of individuals from the personalized information. Each of the personalized markup documents are converted into encoded signals. A composite signal is generated from each of the encoded signals. The composite signal is broadcasted to radio receivers of the multiple individuals.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a system for providing multiple individuals with personalized information through a personalized broadcast.

USE - Used for providing individual's personalized information in an on-line analytical processing system.

ADVANTAGE - The method effectively provides a voice service that leverages power of on-line analytical processing system or other data repository system, thus providing critical information to a user, in a timely fashion, and hence providing a user with an opportunity to immediately act upon information received during an interactive voice broadcast.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a personalized broadcast system.

900 Voice service system

910 Converter

920 Transmitter

922 Encoder

930 Receiver

**Title Terms/Index Terms/Additional Words:** INDIVIDUAL; PERSON; INFORMATION; METHOD; LINE; ANALYSE; PROCESS; SYSTEM; BROADCAST; COMPOSITE; SIGNAL; RADIO; RECEIVE; MULTIPLE

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

**G06F-0015/00** A I R 20060101**G06F-0015/00** C I R 20060101US Classification, Issued: 715513000, 715501100, 709200000, 709201000,  
709232000, 455432200

File Segment: EPI;

DWPI Class: T01; W01; W02; W04

Manual Codes (EPI/S-X): T01-N01A; T01-N01D1A; W01-C05B4; W02-C06; W04-V10

**9/5/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015362296 - Drawing available

WPI ACC NO: 2005-712564/200573

Related WPI Acc No: 2001-578960; 2003-656638; 2003-719893; 2003-831956;  
2003-875846; 2004-050582; 2004-578776; 2004-591161; 2004-660513;  
2004-717290; 2005-055708; 2005-088220; 2005-193562; 2005-230983;  
2005-293138; 2005-329676; 2005-504442; 2005-616952; 2005-627953;  
2005-675481; 2005-701762; 2005-777043; 2006-237844; 2001-181345;  
2001-315249; 2001-520299; 2001-637770; 2003-606698; 2003-624991;  
2004-223952; 2004-429717; 2006-566599

XRPX Acc No: N2005-585240

**Real-time transmission method for entertainment information involves  
presenting entertainment information to user subscribing to entertainment  
voice service, during voice-enabled communication session such that user  
can respond**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: **LANGSETH J** ; **OROLIN N J** ; PATNAIK A; RICHARDS F; SAYLOR M J;  
ZIRNGIBL M**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050223408	A1	20051006	US 1999153222	P	19990913	200573 B
			US 1999454603	A	19991207	
			US 200589035	A	20050325	

Priority Applications (no., kind, date): US 1999153222 P 19990913; US  
1999454603 A 19991207; US 200589035 A 20050325**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050223408	A1	EN	39	14	Related to Provisional US 1999153222 Continuation of application US 1999454603
					Continuation of patent US 6873693

**Alerting Abstract** US A1NOVELTY - A user creates a personal profile and specifies a scheduling  
condition when subscribing to an entertainment voice service to generate an  
entertainment information. An interactive voice-enabled communication  
session is established to the user when the scheduling condition is  
satisfied. The entertainment information is shown to the user during the  
communication such that the user can respond to the information.

USE - For providing entertainment information to user subscribing to

entertainment voice service.

**ADVANTAGE** - Provides opportunity to user to input additional information based on input about opportunity to reserve or purchase entertainment opportunity, during telecast from entertainment voice service.

**DESCRIPTION OF DRAWINGS** - The figure shows the flowchart for real-time transmission of entertainment information.

**Title Terms/Index Terms/Additional Words:** REAL; TIME; TRANSMISSION; METHOD; ENTERTAINMENT; INFORMATION; PRESENT; USER; SUBSCRIBER; VOICE; SERVICE; ENABLE; COMMUNICATE; SESSION; CAN; RESPOND

### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

**G06F-0013/00** A I R 20060101

**G06F-0017/30** A I R 20060101

H04M-0003/00 A I R 20060101

H04N-0005/445 A I R 20060101

H04N-0007/173 A I R 20060101

**G06F-0013/00** C I R 20060101

**G06F-0017/30** C I R 20060101

H04M-0003/00 C I R 20060101

H04N-0005/445 C I R 20060101

H04N-0007/173 C I R 20060101

US Classification, Issued: 725086000, 725087000, 725061000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-C08A; T01-N01A2A; T01-N01D1A; W01-C02B9; W01-C05B5A

**9/5/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015325232 - Drawing available

WPI ACC NO: 2005-675481/200569

Related WPI Acc No: 2001-578960; 2003-656638; 2003-719893; 2003-831956;

2003-875846; 2004-050582; 2004-578776; 2004-591161; 2004-660513;

2004-717290; 2005-055708; 2005-088220; 2005-193562; 2005-230983;

2005-293138; 2005-329676; 2005-504442; 2005-616952; 2005-627953;

2005-701762; 2005-712564; 2005-777043; 2006-237844; 2001-181345;

2001-315249; 2001-520299; 2001-637770; 2003-624991; 2004-223952;

2004-429717; 2006-566599

XRPX Acc No: N2005-554110

**Personalized information provision method in on-line analytical processing system, involves converting personalized mark-up documents obtained from accessed personalized information into format suitable for transmission**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: EBERLE H; **LANGSETH J**; MAASS B; PATNAIK A; ZIRNGIBL M

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050210376	A1	20050922	US 1999153222	P	19990913	200569 B
			US 1999454600	A	19991207	
			US 2005124297	A	20050509	

Priority Applications (no., kind, date): US 1999153222 P 19990913; US 1999454600 A 19991207; US 2005124297 A 20050509

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050210376	A1	EN	34	10	Related to Provisional US 1999153222 Continuation of application US 1999454600

**Alerting Abstract US A1**

NOVELTY - The personalized mark-up documents are generated for several individuals, from the accessed personalized information. The personalized mark-up documents are converted into a format suitable for transmission. The converted personalized mark-up document is transmitted to several individuals.

DESCRIPTION - An INDEPENDENT CLAIM is also included for system for providing personalized information.

USE - For providing personalized interactive, dynamic voice service information through personalized broadcast in on-line analytical processing (OLAP) system.

ADVANTAGE - Enables to leverage the power of OLAP or other data repository system by the voice service. Enables to provide critical information to the user in a timely fashion by phone. Enables the user to immediately act on information received during an interactive voice broadcast.

DESCRIPTION OF DRAWINGS - The figure shows a schematic view of communication transaction processing system.

**Title Terms/Index Terms/Additional Words:** PERSON; INFORMATION; PROVISION; METHOD; LINE; ANALYSE; PROCESS; SYSTEM; CONVERT; MARK; UP; DOCUMENT; OBTAIN; ACCESS; FORMAT; SUIT; TRANSMISSION

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

**G06F-0015/16** A I R 20060101

**G06F-0017/00** A I R 20060101

**G06F-0015/16** C I R 20060101

**G06F-0017/00** C I R 20060101

US Classification, Issued: 715513000, 709200000, 455432200

File Segment: EPI;

DWPI Class: T01; W01; W04

Manual Codes (EPI/S-X): T01-C08A; T01-J18; T01-N01D1A; T01-N03A2; T01-N03B2  
; T01-N03B4; W01-C02B9; W01-C05B1; W01-C05B5C; W04-V04A

**9/5/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0014945380 - Drawing available

WPI ACC NO: 2005-293138/200530

Related WPI Acc No: 2001-578960; 2003-656638; 2003-719893; 2003-831956;

2003-875846; 2004-050582; 2004-578776; 2004-591161; 2004-660513;

2004-717290; 2005-055708; 2005-088220; 2005-193562; 2005-230983;

2005-329676; 2005-504442; 2005-616952; 2005-627953; 2005-675481;

2005-701762; 2005-712564; 2005-777043; 2006-237844; 2001-181345;

2001-315249; 2001-520299; 2001-637770; 2003-606698; 2003-624991;

2004-223952; 2004-429717; 2006-566599

XRFX Acc No: N2005-240536

**Real-time entertainment-information transmission method involves**

**dynamically interacting with user by presenting information related to entertainment opportunity, from personalized markup language document with embedded user prompts**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: **LANGSETH J ; OROLIN N J ; PATNAIK A; RICHARDS F; SAYLOR M J;**  
ZIRNGIBL M

**Patent Family** (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 6873693	B1	20050329	US 1999153222	P	19990913	200530 B
			US 1999454603	A	19991207	

Priority Applications (no., kind, date): US 1999153222 P 19990913; US 1999454603 A 19991207

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6873693	B1	EN	44	14	Related to Provisional US 1999153222

#### Alerting Abstract US B1

NOVELTY - An outbound communication is initiated to a user, to establish an interactive voice-enabled communication with the user, when scheduling condition created by the user is satisfied. The user is dynamically interacted during the communication, by presenting with entertainment information related to an entertainment opportunity, from a personalized markup language document with embedded user prompts, generated for the user.

DESCRIPTION - An INDEPENDENT CLAIM is also included for system for providing real-time transmissions of entertainment information.

USE - For providing real-time transmissions of entertainment information related to entertainment opportunities such as TV shows, movies, plays and bowling event, to user of networked computer terminal, telephone, two-way pager and personal digital assistant (PDA).

ADVANTAGE - Provides efficient transmission of real-time entertainment information to the user.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the intelligence server.

**Title Terms/Index Terms/Additional Words:** REAL; TIME; ENTERTAINMENT; INFORMATION; TRANSMISSION; METHOD; DYNAMIC; INTERACT; USER; PRESENT; RELATED; PERSON; LANGUAGE; DOCUMENT; EMBED; PROMPT

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

**G06F-0013/00** A I R 20060101

**G06F-0017/30** A I R 20060101

H04M-0003/00 A I R 20060101

H04N-0005/445 A I R 20060101

H04N-0007/173 A I R 20060101

**G06F-0013/00** C I R 20060101

**G06F-0017/30** C I R 20060101

H04M-0003/00 C I R 20060101

H04N-0005/445 C I R 20060101

H04N-0007/173 C I R 20060101

US Classification, Issued: 379201020, 379201010, 379265020

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-N01B; T01-N01D2; T01-N03A; W01-C05B5A

Set	Items	Description
S1	12	AU=(LANGSETH, J? OR LANGSETH J? OR JUSTIN(2N)LANGSETH) OR - BY=(JUSTIN(2N)LANGSETH)
S2	5	AU=(OROLIN, N? OR OROLIN N? OR NICOLAS(2N)OROLIN) OR BY=(N- ICOLAS(2N)OROLIN)
S3	65	AU=(TALWAR, A? OR TALWAR A? OR AJAY(2N)TALWAR) OR BY=(AJAY- (2N)TALWAR)
S4	84	AU=(FISHMAN, P? OR FISHMAN P? OR PHILLIPPA(2N)J. FISHMAN) - OR BY=(PHILLIPPA(2N)J. FISHMAN)
S5	0	S1 AND S2 AND S3 AND S4
S6	4	S1 AND S3 AND S4

File 350:Derwent WPIX 1963-2006/UD=200659  
(c) 2006 The Thomson Corporation

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
(c) 2006 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200637  
(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060914UT=20060907  
(c) 2006 WIPO/Thomson

**6/5/1 (Item 1 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0014243675 - Drawing available

WPI ACC NO: 2004-429717/200440

Related WPI Acc No: 2001-181345; 2001-315249; 2001-520299; 2001-637770;

2003-624991; 2004-223952; 2001-578960; 2003-656638; 2003-719893;

2003-831956; 2004-050582; 2004-578776; 2004-591161; 2004-660513;

2004-717290; 2005-055708; 2005-088220; 2005-193562; 2005-293138;

2005-329676; 2005-616952; 2005-627953; 2005-675481; 2005-701762;

2005-712564; 2005-777043; 2006-237844; 2006-566599

XRFX Acc No: N2004-339646

**Personalized intelligence system for delivering intelligence and transactional data, has service processing unit to process subscriber request based on information to schedule services that are output to subscriber devices**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: **FISHMAN P J ; LANGSETH J ; TALWAR A**

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6741980	B1	20040525	US 1999126055	P	19990323	200440 B
			US 1999343356	A	19990630	
			US 2000488919	A	20000121	

Priority Applications (no., kind, date): US 1999126055 P 19990323; US 1999343356 A 19990630; US 2000488919 A 20000121

#### **Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6741980	B1	EN	32	17	Related to Provisional US 1999126055 C-I-P of application US 1999343356

#### **Alerting Abstract US B1**

**NOVELTY** - The system has channel databases with informational data about a subject matter of interest e.g. business, weather. The information is organized into channels that provide predefined services based on the stored content. A subscription receiving unit to receive requests from the users. A service processing unit to process each request based on stored information to schedule services that are output to subscriber devices.

**DESCRIPTION** - Each subscription request has a selection of channel, service for each channel, and personalized feature for each service of each selected channel. An **INDEPENDENT CLAIM** is also included for a method for delivering personalized intelligence to subscribers.

**USE** - Used for delivering personalized intelligence and transactional data to users through content delivery device e.g. electronic mail, spreadsheet program, pager, telephone, mobile phone, fax, personal digital assistant, HTML electronic mail, WAP device.

**ADVANTAGE** - The service processing unit process each request based on the informational data stored in the channel databases to schedule services, thereby accurately delivering the information at right time.

**DESCRIPTION OF DRAWINGS** - The drawing shows a method of processing services.

**Title Terms/Index Terms/Additional Words:** PERSON; INTELLIGENCE; SYSTEM; DELIVER; DATA; SERVICE; PROCESS; UNIT; SUBSCRIBER; REQUEST; BASED; INFORMATION; SCHEDULE; OUTPUT; DEVICE

#### **Class Codes**



## International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0007/00 A I R 20060101

G06F-0007/00 C I R 20060101

US Classification, Issued: 707003000, 707010000, 707104100, 709203000,  
709219000, 709318000, 379038000, 379100500, 707002000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-J05B4; T01-J11G; T01-N01C; T01-N01D2;

W01-B05A1A; W01-C05B5C

**6/5/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0014041763 - Drawing available

WPI ACC NO: 2004-223952/200421

Related WPI Acc No: 2001-181345; 2001-315249; 2001-520299; 2001-637770;

2003-624991; 2004-429717; 2001-578960; 2003-656638; 2003-719893;

2003-831956; 2004-050582; 2004-578776; 2004-591161; 2004-660513;

2004-717290; 2005-055708; 2005-088220; 2005-193562; 2005-293138;

2005-329676; 2005-616952; 2005-627953; 2005-675481; 2005-701762;

2005-712564; 2005-777043; 2006-237844; 2006-566599

XRPX Acc No: N2004-176858

**Automatic real-time personalized intelligence system has service processor  
for processing channel selection, server selection and personalization  
selection for each subscriber based on information obtained from channel  
databases**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: **FISHMAN P J ; LANGSETH J ; TALWAR A****Patent Family** (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 6694316	B1	20040217	US 1999126055	P	19990323	200421 B
			US 2000488920	A	20000121	

Priority Applications (no., kind, date): US 1999126055 P 19990323; US  
2000488920 A 20000121**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6694316	B1	EN	35	19	Related to Provisional US 1999126055

**Alerting Abstract US B1**

NOVELTY - The system has an output forwarding unit for automatically forwarding the output of a service processor to specified subscriber output devices. The service processor is provided for processing the channel selection, server selection and personalization selection for each subscriber based on information obtained from the channel databases.

DESCRIPTION - The service process generates the report by an online analytical processing (OLAP) system that includes the processing results for channel, service and personalization inputs for each subscriber. The OLAP system processes reports against the information contained in the channel databases. A subscription receiver obtains the subscriptions from several users, in which each subscription includes the channel selection, channel service and personalized feature for each service of each channel selected. The channel databases contains information about different subject matters e.g. finance channel, sports channel, weather channel, travel channel, business channel, news channel.

An INDEPENDENT CLAIM is included for the delivery of personalized intelligence to subscribers.

USE - For subject-based channel distribution of automatic, real-time delivery of personalized information and transactional data.

ADVANTAGE - Provides several channels of personal intelligence content to enable subscribers to more specifically choose the content they desire to receive. Enables users to more easily identify the content they want and provides more options to customize fees that may be charged to the subscriber. Provides content from which personalized intelligence network actively delivers highly personalized and timely informational and transactional content to subscribers via email, spreadsheet programs, pager, telephone, mobile phone, fax, personal digital assistants, HTML email, and other formats to generate revenues from subscription fees, transactional fees, bundling fees and advertising fees. Includes local, national and international data to enable users to receive a wide variety of information and data. Provides user with information required to make completely informed decisions faster, easier and cheaper.

DESCRIPTION OF DRAWINGS - The figure is a schematic diagram showing the flow of information in the personalized intelligence network.

**Title Terms/Index Terms/Additional Words:** AUTOMATIC; REAL; TIME; PERSON; INTELLIGENCE; SYSTEM; SERVICE; PROCESSOR; PROCESS; CHANNEL; SELECT; SERVE; SUBSCRIBER; BASED; INFORMATION; OBTAIN

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0029/06 A I R 20060101

H04L-0029/08 A N R 20060101

H04L-0029/06 C I R 20060101

H04L-0029/08 C N R 20060101

US Classification, Issued: 707002000, 707003000, 707102000, 707104100, 709203000, 709206000, 709217000, 709223000, 379088130, 379088170, 379088250, 707010000

File Segment: EPI;

DWPI Class: T01; W02

Manual Codes (EPI/S-X): T01-J05B4P; T01-N01A2A; T01-N02B2A; W02-F10E3; W02-F10X

**6/5/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0013916537 - Drawing available

WPI ACC NO: 2004-096236/

XRPX Acc No: N2004-076649

**Transactional contents delivery system using mobile telephone, divides services into jobs that are processed by assembling output to be delivered to subset of subscribers associated with output servers**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: **FISHMAN P J ; LANGSETH J ; TALWAR A**

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6671715	B1	20031230	US 2000488923	A	20000121	200410 B

Priority Applications (no., kind, date): US 2000488923 A 20000121

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6671715	B1	EN	31	17	

**Alerting Abstract US B1**

NOVELTY - A control server communicates with a facility for processing the service for each of the subscribers. The server divides the services into jobs that are processed by assembling the output to be delivered to a subset of subscribers associated with output servers, using a mid-tier slicing of common information from channel databases.

DESCRIPTION - An INDEPENDENT CLAIM is also included for method for generation and delivery of message content to subscribers.

USE - For generating, organizing and delivery of transactional contents such as news, business and weather reports from on-line analytical processing (OLAF) system to subscribers using e-mail, pager, mobile telephone, facsimile, telephone, personal digital assistant, wireless-access-protocol (WAP) device.

ADVANTAGE - Provides a high through-put output system for processing several output to large number of subscribers, thus enabling the users to take the right decisions by delivering the contents right into their hands.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining the method of processing services.

**Title Terms/Index Terms/Additional Words:** CONTENT; DELIVER; SYSTEM; MOBILE; TELEPHONE; DIVIDE; SERVICE; JOB; PROCESS; ASSEMBLE; OUTPUT; SUBSET; SUBSCRIBER; ASSOCIATE; SERVE

**Class Codes**

International Classification (Main): G06F-015/16  
US Classification, Issued: 709203000, 379211000

File Segment: EPI;

DWPI Class: T01; W01; W02

Manual Codes (EPI/S-X): T01-J05B4P; T01-N01D; W01-B05A1A; W01-C05B5C; W02-C03C1J

**6/5/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0013908748 - Drawing available

WPI ACC NO: 2004-088280/

XPX Acc No: N2004-070652

**Data warehousing system for real-time delivery of information, detects state information of data distribution repository to maintain coherency and integrity of retrieval and transmission of personalized content**

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: **FISHMAN P J ; LANGSETH J ; TALWAR A**

**Patent Family** (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 6662195	B1	20031209	US 2000488565	A	20000121	200409 B

Priority Applications (no., kind, date): US 2000488565 A 20000121

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6662195	B1	EN	32	17	

**Alerting Abstract US B1**

NOVELTY - A data distribution control server processes each service for each subscriber, by using structured query language, procedures and filters stored in a data distribution repository. The server detects state information of the data distribution repository, including updates occurring to the repository, to maintain coherency and integrity of retrieval and transmission of personalized content to the subscribers.

DESCRIPTION - An INDEPENDENT CLAIM is also included for data warehousing method.

USE - For real-time delivery of business information, weather information, news and other topical information to subscribers. Provides the user with the information required to make completely informed decisions quickly and easily, at low cost.

ADVANTAGE - Enhances the reliability of high-throughput information service.

DESCRIPTION OF DRAWINGS - The figure shows the data warehousing system.

22 end user

24 web subscription interface

26 subscriber database system

40 channel database

42 data distribution system

**Title Terms/Index Terms/Additional Words:** DATA; WAREHOUSE; SYSTEM; REAL; TIME; DELIVER; INFORMATION; DETECT; STATE; DISTRIBUTE; REPOSITORY; MAINTAIN; COHERE; INTEGRITY; RETRIEVAL; TRANSMISSION; PERSON; CONTENT

**Class Codes**

International Classification (Main): G06F-017/30

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File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B3; T01-N01A2F